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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 13111-00001-US
INTERNATIONAL APPLICATION NO. PCT/EP2003/008199	INTERNATIONAL FILING DATE 25 July 2003	PRIORITY DATE CLAIMED 26 July 2002
TITLE OF INVENTION PROCESS FOR THE BIOTRANSFORMATION OF CAROTENOIDS		
APPLICANT(S) FOR DO/EO/US Markus Matuschek et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Fee Transmittal Sheet for FY 2005; Amended Sheets (claims 1-19); English Translation of Amended Sheets, Form PCT/IB/301, Form PCT/IB/304, Form PCT IB/308, Form PCT/IPEA/416, Form PCT/IPEA/409</p>		

DT01 Rec'd PCT/PTC 20 JAN 2005

PTO-1390 (Rev. 12-2004)

Approved for use through 03/31/2007. OMB 0651-0021

Approved for use through September 2007. GPO 2007-092.

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U.S. APPLICATION NO. (if known) (37 CFR 1.5)		INTERNATIONAL APPLICATION NO. PCT/EP2003/008199	ATTORNEY'S DOCKET NUMBER 13111-00001-US	
21. The following fees are submitted:				
<input checked="" type="checkbox"/> a) Basic national fee		\$300.00	Applicant Use	
<input checked="" type="checkbox"/> b) Examination fee		\$200.00	Office Use Only	
<input checked="" type="checkbox"/> c) Search fee		\$500.00		
TOTAL OF ABOVE CALCULATIONS =			\$1000.00	\$ 1,000.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
- 100 =	/50 =		x \$250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE Adjustment Date: 09/14/2005 VALVARAD	
Total claims	19 - 20		01/27/2005 LLANDGRA 0000075 0327750.0005 21916	
Independent claims	2 - 3		02 FC:1632	500.90 CR 0.00
MULTIPLE DEPENDENT CLAIM(s) (if applicable)		+	\$	
TOTAL OF ABOVE CALCULATIONS =			\$ 1,000.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.				
			SUBTOTAL =	\$ 1,000.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				
			+	\$
			TOTAL NATIONAL FEE =	\$ 1,000.00
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per copy. VALVARAD 00000002 032775 10521916				
			01/14/2005 00000002 032775 10521916	1,000.00
			TO TALES FEES ENCLOSED 00000002 032775 10521916	1,000.00
			01 FC:1642	Amount to be refunded:
			01 FC:1642	Amount to be charged:
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 03-2775 in the amount of \$ 1,000.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-2775. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.				
SEND ALL CORRESPONDENCE TO:		 SIGNATURE: Christine M. Hansen NAME		
CUSTOMER NUMBER: 23416		40,634 REGISTRATION NUMBER		

10/521916

DT01 d PCT/PTC 20 JAN 2005

Application No. (if known): US National Stage of
PCT/EP2003/008199

Attorney Docket No.: 13111-00001-US

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 473532125 US in an envelope addressed to:

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Jean M. Marshall

Typed or printed name of person signing Certificate

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(302) 658-9141

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the US Designated-Elected Office (2 pages)
Application Data Sheet & Fee Transmittal Sheet
Charge \$1,000.00 to deposit account 03-2775
International Appln. w/Search Report
English Translation of International Application
Amended Sheets (claims 1-19)
English Translation of Amended Sheets (claims 1-19)
Form PCT/IB/301 (2 pages), Form PCT/IB/304 (1 pages)
Form PCT/IB/308 (1 page), Form PCT/IPEA/416 (1 page)
Form PCT IPEA/409 (5 pages)
Preliminary Amendment
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